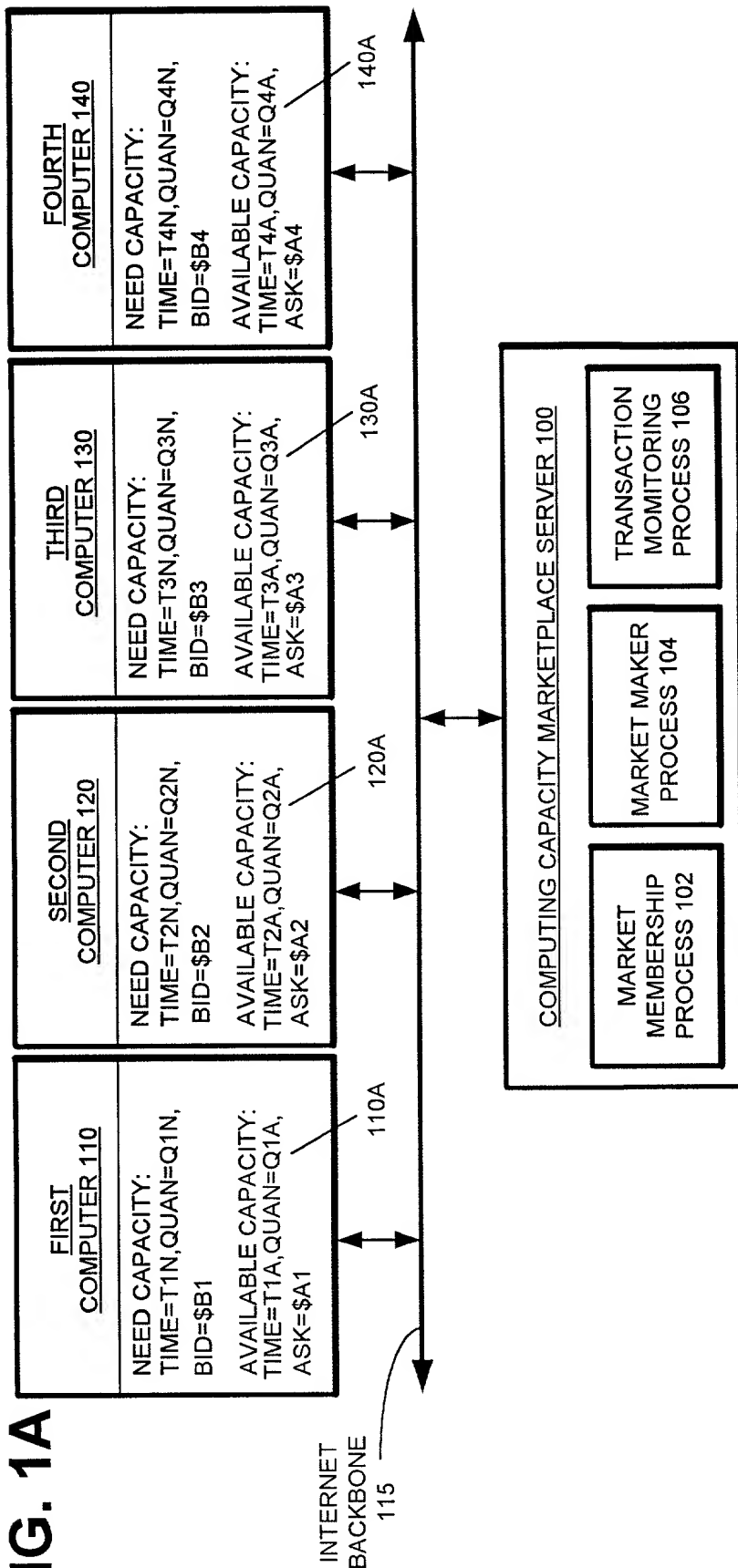


FIG. 1A

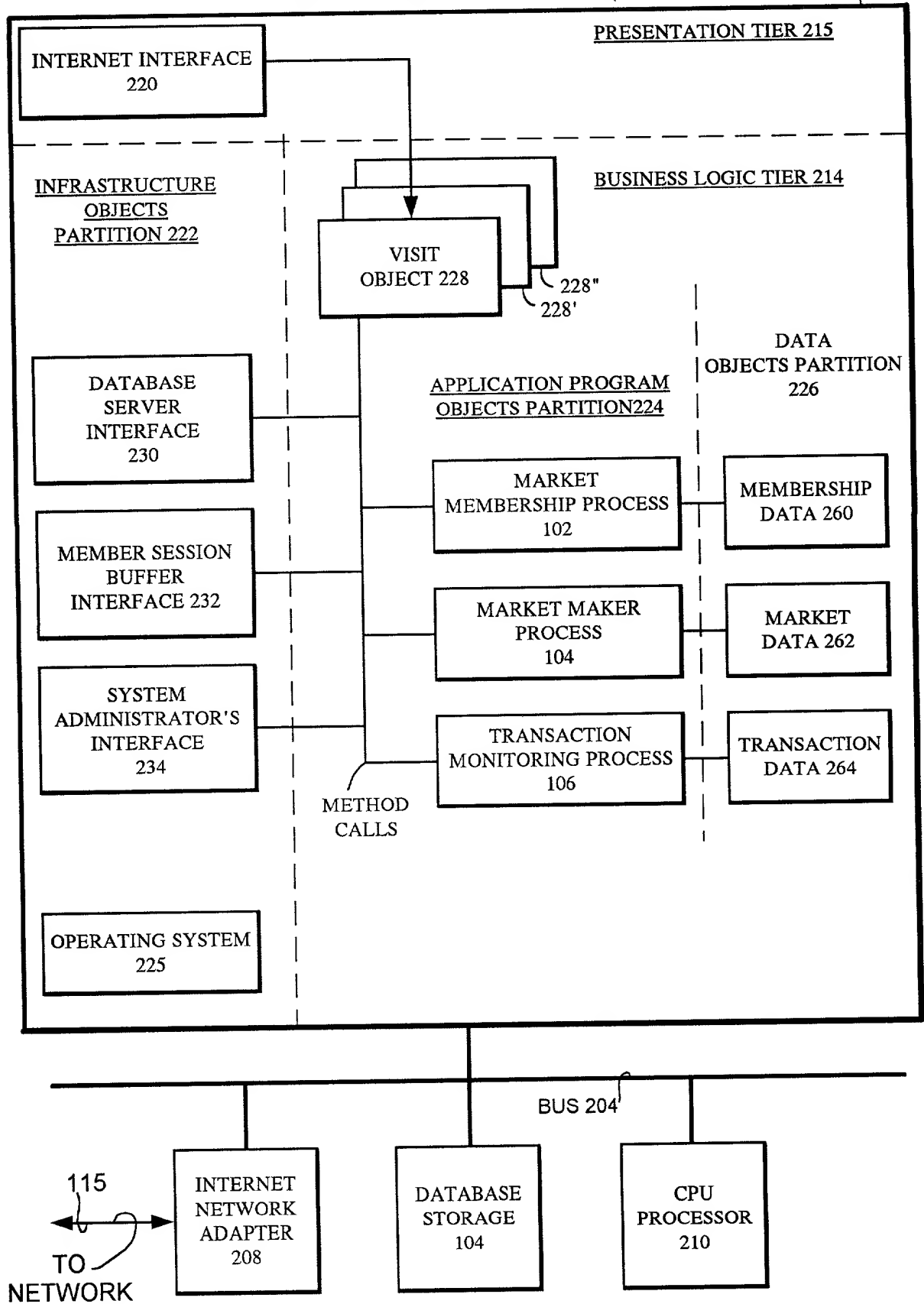


111											119			
113						115			117		119			
DATABASE 105						AVAILABLE CAPACITY			SOURCE PGM/DATA		RESULTS			
NEED CAPACITY						AVAILABLE CAPACITY			SOURCE PGM/DATA		RESULTS			
MEMBER						START	END	QUAN	BID	ASK	LOCATION	NAME	LOCATION	
COMPUTER 110						T1N_S	T1N_E	Q1N	\$B1	\$A1	LOC1_S	NAME1	LOC1_R	
COMPUTER 120						T2N_S	T2N_E	Q2N	\$B2	\$A2	LOC2_S	NAME2	LOC2_R	
COMPUTER 130						T3N_S	T3N_E	Q3N	\$B3	\$A3	LOC3_S	NAME3	LOC3_R	
COMPUTER 140						T4N_S	T4N_E	Q4N	\$B4	\$A4	LOC4_S	NAME4	LOC4_R	

FIG. 1B

COMPUTING CAPACITY
MARKETPLACE SERVER 100

MEMORY 202



300

STEP 302: PROVIDING MEMBERSHIP STATUS IN THE COMPUTING CAPACITY MARKETPLACE SERVER FOR A PLURALITY OF MEMBER COMPUTERS IN THE NETWORK



STEP 304: RECEIVING IN THE COMPUTING CAPACITY MARKETPLACE SERVER AN INDICATION OF NEEDED COMPUTING CAPACITY, INCLUDING A BID AMOUNT, FOR A BUYING COMPUTER OF A PLURALITY OF COMPUTERS IN THE NETWORK



STEP 306: RECEIVING IN THE COMPUTING CAPACITY MARKETPLACE SERVER AN INDICATION OF AVAILABLE EXCESS COMPUTING CAPACITY, INCLUDING AN ASK AMOUNT, FOR A SELLING COMPUTER OF A PLURALITY OF COMPUTERS IN THE NETWORK



STEP 308: MATCHING IN THE COMPUTING CAPACITY MARKETPLACE SERVER THE BUYING COMPUTER'S BID AMOUNT WITH THE SELLING COMPUTER'S ASK AMOUNT



STEP 310: ENABLING THE SELLING COMPUTER TO PROVIDE AT LEAST A PORTION OF THE AVAILABLE EXCESS COMPUTING CAPACITY TO THE BUYING COMPUTER IN RESPONSE TO THE MATCHING STEP

FIG. 2

320

STEP 322: PROVIDING MEMBERSHIP STATUS IN THE COMPUTING CAPACITY MARKETPLACE SERVER FOR A PLURALITY OF MEMBER COMPUTERS IN THE NETWORK



STEP 324: RECEIVING IN THE COMPUTING CAPACITY MARKETPLACE SERVER AN INDICATION OF IMMEDIATELY AVAILABLE COMPUTING CAPACITY, INCLUDING AN ASK AMOUNT, FOR A SELLING COMPUTER OF THE PLURALITY OF COMPUTERS



STEP 326: RECEIVING IN THE COMPUTING CAPACITY MARKETPLACE SERVER AN INDICATION OF IMMEDIATELY NEEDED COMPUTING CAPACITY, INCLUDING A BID AMOUNT, FOR A BUYING COMPUTER OF A PLURALITY OF COMPUTERS IN THE NETWORK



STEP 328: MATCHING IN THE COMPUTING CAPACITY MARKETPLACE SERVER THE BUYING COMPUTER'S BID AMOUNT WITH THE SELLING COMPUTER'S ASK AMOUNT



STEP 330: ENABLING THE SELLING COMPUTER TO PROVIDE AT LEAST A PORTION OF THE AVAILABLE EXCESS COMPUTING CAPACITY TO THE BUYING COMPUTER IN RESPONSE TO THE MATCHING STEP

FIG. 3

340

STEP 342: MATCHING IN THE COMPUTER CAPACITY MARKETPLACE SERVER THE BUYING COMPUTER'S BID AMOUNT WITH THE SELLING COMPUTER'S ASK AMOUNT

STEP 344: IDENTIFYING ALL SELLERS WHO HAVE AVAILABLE EXCESS COMPUTING CAPACITY DURING THE ENTIRE PERIOD THAT THE BUYER HAS IDENTIFIED AS NEEDING COMPUTING CAPACITY

STEP 346: SELECTING THE SELLER HAVING THE LOWEST ASK AMOUNT

STEP 348: IF THE BUYER'S BID AMOUNT IS GREATER THAN OR EQUAL TO THE SELECTED SELLER'S ASK AMOUNT, THEN IDENTIFYING THE BUYER AND SELECTED SELLER AS MATCHED

STEP 350: IF THE BUYER'S BID AMOUNT IS LESS THAN THE SELECTED SELLER'S ASK AMOUNT, THEN IDENTIFYING THE BUYER AS A NEGOTIATING BUYER AND THE SELECTED SELLER AS A NEGOTIATING SELLER

STEP 352: SIGNALING THE NEGOTIATING BUYER THAT A NEGOTIATING SELLER HAS BEEN FOUND, SIGNALING THE NEGOTIATING SELLER THAT A NEGOTIATING BUYER HAS BEEN FOUND, AND MONITORING NEGOTIATIONS BETWEEN THE NEGOTIATING BUYER AND THE NEGOTIATING SELLER

STEP 354: IF THE NEGOTIATING BUYER AND THE NEGOTIATING SELLER CHANGE EITHER OR BOTH THE BID AMOUNT AND THE ASK AMOUNT SO THAT THE AMOUNTS MATCH, THEN IDENTIFYING THE NEGOTIATING BUYER AND THE NEGOTIATING SELLER AS MATCHED

STEP 356: REDUCING THE MAGNITUDE OF THE QUANTITY OF AVAILABLE EXCESS COMPUTING CAPACITY FROM THE SELLER, AS INDICATED IN THE DATABASE 105, BY THE AMOUNT OF COMPUTING CAPACITY PROVIDED BY THE SELLER TO THE BUYER

STEP 358: IF THE AMOUNT OF THE COMPUTING CAPACITY PROVIDED BY THE SELLER TO THE BUYER IS LESS THAN THE QUANTITY OF NEEDED CAPACITY BY THE BUYER, AS INDICATED IN DATABASE 105, THEN REPEATING STEPS 342 TO 356

FIG. 4

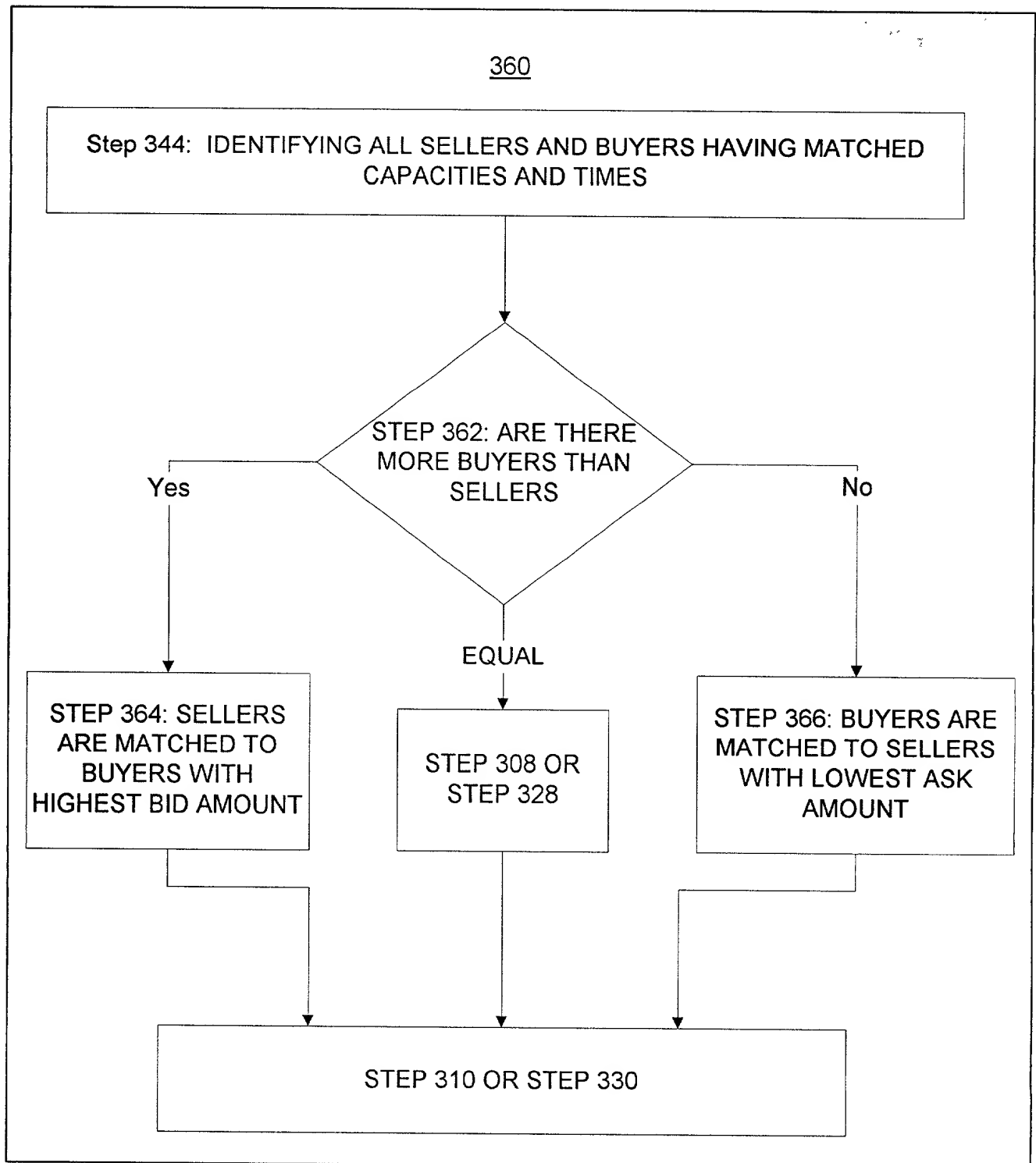


FIG. 5